

ABSTRACT

The image pickup system of the present invention is an image pickup system for processing an image signal at each pixel which is composed of more than one color signals and one or more of the color signals are dropped out according to the location of the pixel, comprising a first interpolating unit for interpolating the color signals dropped-out from the image signals by a first interpolation method based on the edge detection, a verifying unit for verifying the interpolation precision on the basis of the image signals and the color signals interpolated by the first interpolating unit, and a second interpolating unit for interpolating the color signals dropped-out from the image signals by a second interpolation method based on the color correlation that is different from the first interpolation method in cases where it is judged that the interpolation precision by the first interpolation method is insufficient.